

ABSTRACT OF THE DISCLOSURE**METHOD AND DATA PROCESSING SYSTEM FOR SOFTWARE TESTING OF
A DEVICE DRIVER**

5 A system and method are disclosed for testing a device driver on a data processing system. An operating system allocates a memory address range for executing a device driver. The device driver is executed as an application on top of the operating system to test the device driver. The system and method monitor to detect whether a target address for a request made by the device driver is within the memory address range. In response to detecting the target address for the request being made outside of the memory address range, the target address is trapped, and a data exception handler is executed to emulate a target device.

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